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CLIPPEDIMAGE= JP362035847A

PAT-NO: JP362035847A

DOCUMENT-IDENTIFIER: JP 62035847 A

TITLE: LIQUID DROPLET JET RECORDING APPARATUS

PUBN-DATE: February 16, 1987

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APPL-NO: JP60175583

APPL-DATE: August 9, 1985

INT-CL (IPC): B41J003/04

ABSTRACT:

PURPOSE: To prevent the clogging of a nozzle while beneficial points such as quietness and high speed capacity of an ink jet are effectively utilized, by mounting a means for injecting liquid droplets to recording paper in accordance

with a recording signal and a means for applying a color powder to recording paper.

CONSTITUTION: The tank 1b of a liquid droplet injecting body is filled with a liquid prepared by mixing distilled water and a slight amount of glycerine and the tank 4a of a color powder applicator 4 is filled with a fine color powder such as carbon black and a powdery polymer binder melting upon the reception of

heating. When the signal from a host apparatus is inputted to the liquid droplet injecting body, the pressure-generating mechanism 1c of the liquid droplet injecting body is operated correspondingly to the signal to inject liquid droplets from a nozzle 1a toward recording paper and the wet pattern corresponding to input data is formed to the surface of the recording paper. When the leading end of the recording paper reaches the color powder applicator

4, the recording paper receives the coating of the fine color powder and the powdery binder from the magnetic brush on a sleeve 4b. Because the liquid is present on the pattern area, the fine color powder and the powdery binder are adsorbed and held by the surface tension of said liquid.

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